

SEQUENCE LISTING

<110> SUNTORY LIMITED

<120> Inhibitor and Activator of Coupling Factor-6 and Antigen thereto

<130> YCT-515

<140> PCT/JP00/5210

<141> 2000-08-03

<150> JPA 264687/99

<151> 1999-09-17

<160> 24

<210> 1

<211> 76

<212> PRT

<213> Human

<400> 1

Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu

1 5 10

Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser

15 20

Lys Arg Gln Thr Ser Gly Gly Pro Val Asp

25 30

Ala Ser Ser Glu Tyr Gln Gln Glu Leu Glu

35 40

Arg Glu Leu Phe Lys Leu Lys Gln Met Phe

45 50

Gly Asn Ala Asp Met Asn Thr Phe Pro Thr

55 60

Phe Lys Phe Glu Asp Pro Lys Phe Glu Val

65 70

Leu Glu Lys Pro Gln Ala

75

<210> 2

<211> 76

<212> PRT

,<213> Rat

<400> 2

Asn Lys Glu Leu Asp Pro Val Gln Lys Leu

1 5 10

Phe Leu Asp Lys Ile Arg Glu Tyr Lys Ala

15 20

Lys Arg Leu Ala Ser Gly Gly Pro Val Asp

25 30

Thr Gly Pro Glu Tyr Gln Gln Glu Val Asp

35 40

Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr

45 50

Gly Lys Gly Glu Met Asp Lys Phe Pro Thr

55 60

Phe Asn Phe Glu Asp Pro Lys Phe Glu Val

65 70

Leu Asp Lys Pro Gln Ser

75

<210> 3
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Asp Asp Asp Asp Lys

<210> 4
<211> 139
<212> PRT
<213> E. coli
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Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp

1 5 10 15

Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro

20 25 30

Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser

35 40 45

Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe Ala Trp Phe Pro

50 55 60

Ala Pro Glu Ala Val Pro Glu Ser Leu Leu Glu Ser Asp Leu Pro Glu

65 70 75 80

Ala Asp Thr Val Val Val Pro Ser Asn Trp Gln Met His Gly Tyr Asp

85 90 95
Ala Pro Ile Tyr Thr Asn Val Thr Tyr Pro Ile Thr Val Asn Pro Pro
100 105 110
Phe Val Pro Thr Glu Asn Pro Thr Gly Ser Tyr Ser Leu Thr Phe Asn
115 120 125
Val Asp Glu Ser Trp Leu Gln Glu Gly Gln Thr
130 135

<210> 5
<211> 97
<212> PRT
<213> E. coli
<400> 5
Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
1 5 10 15
Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro
20 25 30
Phe Ala Ser Trp Arg Asn Ser Asp Asp Ala Arg Thr Asp Arg Pro Ser
35 40 45
Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe Ala Trp Phe Pro
50 55 60
Ala Pro Glu Ala Val Pro Asp Ser Leu Leu Asp Ser Asp Leu Pro Glu
65 70 75 80

Ala Asp Thr Val Val Val Pro Ser Asn Trp Gln Met His Gly Tyr Asp
85 90 95
Ala

<210> 6
<211> 23
<212> DNA
<213> Artificial Sequence
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<223> Primer used in PCR method
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atgactgttc agaggatctt cag

<210> 7
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<222>
<223> Primer used in PCR method
<400> 7

gtcgactcag gactgggtt tgcgag

<210> 8
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<400> 8

atgattcttc agaggcttt cag

<210> 9

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Primer used in PCR method

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gtcgactcag gcctgggtt tttcgatg

<210> 10

<211> 45

<212> DNA

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<223> Gene coding for enterokinase recognition site and Eco RI recognition site

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gaattcgcacg atgacgataa gaataaggaa cttgatcctg tacag

<210> 11

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<211> 20
<212> PRT
<213> rat
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1 5 10 15
Asp Lys Pro Gln Ser
20

<210> 13
<211> 20
<212> PRT
<213> rat
<400> 13
Tyr Phe Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu
1 5 10 15
Asp Lys Pro Gln Ser
20

<210> 14

<211> 19

<212> PRT

<213> human

<400> 14

Cys Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln

1

5

10

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Thr Ser Gly Gly

<210> 15

<211> 18

<212> PRT

<213> human

<400> 15

Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln Thr

1

5

10

15

Ser Gly Gly

<210> 16

<211> 39

<212> PRT

<213> rat

<400> 16

Asn Lys Glu Leu Asp Pro Val Gln Lys Leu Phe Leu Asp Lys Ile

1

5

10

15

Arg Glu Tyr Lys Ala Lys Arg Leu Ala Ser Gly Gly Pro Val Asp

20

25

30

Thr Gly Pro Glu Tyr Gln Gln Glu Val

35

<210> 17

<211> 16

<212> PRT

<213> rat

<400> 17

Asp Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr Gly Lys Gly Glu

1

5

10

15

Met

<210> 18

<211> 9

<212> PRT

<213> rat

<400> 18

Asp Lys Phe Pro Thr Phe Asn Phe Glu

1

5

<210> 19

<211> 7

<212> PRT

<213> rat

<400> 19

Asp Pro Lys Phe Glu Val Leu

1

5

<210> 20

<211> 5

<212> PRT

<213> rat

<400> 20

Asp Lys Pro Gln Ser

1 5

<210> 21

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<221>

<222>

<223> Factor Xa recognition site

<400> 21

Ile Glu Gly Lys

<210> 22

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<221>

<222>

<223> Primer for PCR method

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<210> 23

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

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<223> Primer for PCR method

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<210> 24

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221>

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<223> Factor Xa recognition site containig peptide

<400> 24

Glu Phe Gly Leu Ile Glu Gly Lys

1

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<100> Misinal, Tomohiro
Mageta, Koji
<120> Inhibitor and Activator of Coupling Factor-6 and Antigen thereto
<130> 46220
<140> US 09/831,951
<141> 2001-05-16
<151> JPA 264687/99
<151> 1999-09-17
<161> 24

<210> 1
<211> 76
<212> PRT
<213> Human
<100> 1
Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu
1 5 10
Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser
15 20
Lys Arg Gln Thr Ser Gly Gly Pro Val Asp
25 30
Ala Ser Ser Glu Tyr Gln Gln Glu Leu Glu
35 40
Arg Glu Leu Phe Lys Leu Lys Gln Met Phe
45 50
Tyr Asn Ala Asp Met Asn Thr Phe Pro Thr
55 60
Phe Lys Phe Glu Asp Pro Lys Phe Glu Val
65 70
Leu Glu Lys Pro Gln Ala
75

<210> 2
<211> 76
<212> PRT
<213> Rat
<100> 2
Asn Lys Glu Leu Asp Pro Val Gln Lys Leu
1 5 10
Phe Leu Asp Lys Ile Arg Glu Tyr Lys Ala
15 20
Lys Arg Leu Ala Ser Gly Gly Pro Val Asp
25 30
Thr Gly Pro Glu Tyr Gln Gln Glu Val Asp
35 40
Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr
45 50
Gly Lys Gly Glu Met Asp Lys Phe Pro Thr
55 60
Phe Asn Phe Glu Asp Pro Lys Phe Glu Val
65 70
Leu Asp Lys Pro Gln Ser
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<210> 3
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 Asp Asp Asp Asp Lys

<210> 4
 <211> 139
 <212> PRT
 <213> E. coli
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 1 5 10 15
 Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His
 20 25 30
 Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp
 35 40 45
 Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe
 50 55 60
 Ala Trp Phe Pro Ala Ala Val Pro Glu Ser Leu Leu Gln
 65 70 75
 Ser Asp Leu Pro Glu Ala Asp Thr Val Val Val Pro Ser Asn Trp
 80 85 90
 Gln Met His Gly Tyr Asp Ala Pro Ile Tyr Thr Asn Val Thr Tyr
 95 100 105
 Pro Ile Thr Val Asn Pro Pro Phe Val Pro Thr Glu Asn Pro Thr
 100 105 110
 Gly Ser Tyr Ser Leu Thr Phe Asn Val Asp Glu Ser Trp Leu Gln
 115 120 125
 Glu Gly Gln Thr

<210> 5
 <211> 97
 <212> PRT
 <213> E. coli
 <400> 5
 Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp
 1 5 10 15
 Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His
 20 25 30
 Pro Pro Phe Ala Ser Trp Arg Asn Ser Asp Asp Ala Arg Thr Asp
 35 40 45
 Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe
 50 55 60
 Ala Trp Phe Pro Ala Pro Glu Ala Val Pro Asp Ser Leu Leu Asp
 65 70 75
 Ser Asp Leu Pro Glu Ala Asp Thr Val Val Val Pro Ser Asn Trp
 80 85 90
 Gln Met His Gly Tyr Asp Ala

<210> 6
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221>

• 42223
42224 Primer used in PCR method
42225 6
42226 agatcttc agaggatctt caq

1. 7
2. 27
3. DNA
4. Artificial Sequence
5.
6.
7.
8. Primer used in PCR method
9.
10. tact:tag gactgggtt tgtcgag

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111: 7
111: 18
111: DNA
111: Artificial Sequence
111:
111:
111:
111:
111: Primer used in PCR method
111: 9
111: gcctggggtt tttcgatg
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1111: 19
1111: 45
1111: DNA
1111: Artificial Sequence
1111:
1111:
1111:
1111: Gene coding for enterokinase recognition site and Eco RI recognition
site
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.. 211 .. PFT
.. 211 .. rat
.. 40 .. 12
Lys Phe Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu
1 5 10 15
Asp Lys Pro Gln Ser
20

.. 211 .. 13
.. 211 .. 21
.. 211 .. PFT
.. 211 .. rat
.. 40 .. 13
Tyr Ile Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu
1 5 10 15
Asp Lys Pro Gln Ser
20

.. 211 .. 14
.. 211 .. 17
.. 211 .. PFT
.. 211 .. human
.. 40 .. 14
Tys Ieu Ile Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln
1 5 10 15
Thr Ser Ile Gly

.. 211 .. 17
.. 211 .. 17
.. 211 .. PFT
.. 211 .. human
.. 40 .. 17
Ieu Ile Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln Thr
1 5 10 15
Ser Ile Gly

.. 211 .. 18
.. 211 .. 34
.. 211 .. PFT
.. 211 .. rat
.. 400 .. 16
Asn Lys Glu Leu Asp Pro Val Gln Lys Leu Phe Leu Asp Lys Ile
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Arg Glu Tyr Lys Ala Lys Arg Leu Ala Ser Gly Gly Pro Val Asp
20 25 30
Thr Gly Pro Glu Tyr Gln Gln Glu Val
35

<210> 17
<211> 16
<212> PRT
<213> rat
<40> 17
Asp Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr Gly Lys Gly Glu
1 5 10 15
Rat

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<211> 9
<212> PRT
<213> rat
<40> 18
Asp Lys Phe Pro Thr Phe Asn Phe Glu
1 5

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Asp Pro Lys Phe Glu Val Leu
1 5

<210> 20
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Asp Lys Pro Gln Ser
1 5

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Ile Glu Gly Lys

<210> 22
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gatcgaggcacgttaataaggaacttqatct

<210> 24
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<223> Factor Xa recognition site containing peptide
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Glu Phe Gly Leu Ile Glu Gly Lys
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